

LaTeX Language	Rendered Equation/Expression
<code>\frac{1}{x}</code>	$\frac{1}{x}$
<code>\sqrt{45}=x</code>	$\sqrt{45} = x$
<code>x^2+3x+4=9</code>	$x^2 + 3x + 4 = 9$
<code>\frac{2}{x+1}=4</code>	$\frac{2}{x+1} = 4$
<code>\overline{AB}=4 \text{ \texttt{inches}}</code>	$\overline{AB} = 4 \text{ inches}$ (the <code>\</code> creates a space between the 4 and the word inches)
<code>8 \text{ \texttt{+}}</code>	$8 +$ (*the <code>\</code> tells it to leave a space between the 8 & + sign...but type a space after the <code>\</code> and before the + sign)
<code>\sqrt[3]{655}</code>	$\sqrt[3]{655}$
<code>\pm</code>	$\pm$
<code>x=\frac{-b \pm \sqrt{b^2-4ac}}{2a}</code>	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
<code>x=\frac{-(3) \pm \sqrt{(3)^2-4(5)(8)}}{2(5)}</code>	$x = \frac{-(3) \pm \sqrt{(3)^2 - 4(5)(8)}}{2(5)}$
<code>3x+5=10 \\ 3x=5 \\ x=\frac{5}{3}</code>	$3x + 5 = 10$ $3x = 5$ $x = \frac{5}{3}$
<code>\\</code>	Using the double <code>\\</code> is the “return” key in LaTeX so it goes to the next line on the page